

Preliminary Classification:

Proposed Class:

Subclass:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Ronald Barrett; Donald E. Abrino; Harold D. Prior, Jr.; Regis M. Perich

For (title): INJECTION LANCE

1. Type of Application

This application is for an original (non-provisional).

EXPRESS MAILING UNDER 37 C.F.R. § 1.10*

*(Express Mail label number is **mandatory**.)*


(Express Mail certification is optional)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on **November 21, 2003** in an envelope addressed to MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee" Mailing Label No. **ER 556402105 US**.

Christine Goellner

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Date: November 21, 2003


Signature of person certifying

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2. Papers Enclosed

A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

13 Page(s) of Specification
3 Page(s) of Claims
3 Sheet(s) of Drawing(s)--Formal

B. Other Papers Enclosed

1 Page(s) of abstract

3. Declaration or Oath

Not Enclosed. Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all of the above-named inventors.

4. Language

English

5. Assignment

An assignment of the invention to **North American Refractories Co.** will follow.

6. Fee Calculation (37 C.F.R. § 1.16)

Regular Application

CLAIMS AS FILED									
Basic Fee 37 C.F.R. § 1.16(a) \$770.00									
Number Filed			Number Extra			Rate			
Total Claims (37 C.F.R. § 1.16(c))									
19	—	20	=	0	x	\$	18.00	=	\$ 0.00
Independent Claims (37 C.F.R. § 1.16(b))									
1	—	3	=	0	x	\$	86.00	=	\$ 0.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))						\$	290.00	\$	0.00
Filing Fee Calculation									\$770.00

7. Fee Payment Being Made at This Time

Enclosed - Filing Fee \$770.00

Total Fees Enclosed \$770.00

8. Method of Payment of Fees

Authorization is hereby made to charge the amount of **\$770.00** to credit card as shown on the attached credit card information authorization form PTO-2038. Charge any additional fees required by this paper or credit any overpayment to our Deposit Account No. 50-0537. A duplicate of this paper is attached.

9. Authorization to Charge Additional Fees

The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.

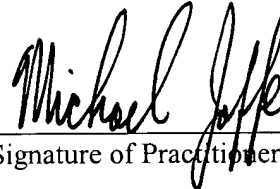
- 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)
- 37 C.F.R. § 1.16(b), (c) or (d) (presentation of extra claims)

10. Instructions as to Overpayment

Credit Account No. 50-0537.

Date: November 21, 2003

Reg. No.: 36,326
Tel. No.: 440-684-1090
Customer No.: 22203



Signature of Practitioner

Michael A. Jaffe
Mark Kusner Co., LPA
Highland Place - Suite 310
6151 Wilson Mills Road
Highland Heights, OH 44143